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(54) Title: <u>MANIPULATION AND DETECTION OF PROTEIN PHOSPHATASE 2C - PP2Cα - EXPRESSION IN TUMOR CELLS FOR CANCER THERAPY, PREVENTION AND DETECTION</u>		
(57) Abstract A method of detecting cancer in a patient by detecting alteration of activity of the gene coding for human type protein phosphatase 2C (PP2C α and PP2C β) and genetic polymorphisms thereof in a specimen isolated from the patient is disclosed. The invention further provides a method of treating cancer including the steps of first determining the type of cancer and cells expressing the cancer and then preparing a vector which will specifically target the cancer cells and can include regulatory elements to control the expressibility of PP2C α . The vector is then administered to the patient. Alternatively an antisense vector can be prepared.		